CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	Czechoslovakia	REPORT	
SUBJECT	1. CZ 37 Heavy Machine Gun 2. Piercing Effect of 7.92-mm Ammunition	DATE DISTR.	3 October 1954
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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

1. The CZ 37 heavy machine gun is of Czechoslovak make and is air-cooled. It can be used for both ground targets and antiaircraft fire. In case of ground targets the best effective distance is 600 - 800 meters, though aimed fire can be opened at as much as 1,200 meters distance. Against aircraft the effective range is limited by a horizontal radius of 1,000 meters and vertical distance of 800 meters.

2. The ammunition is loaded into belts. Each belt contains 250 rounds. Any number of belts can be joined. The following types of ammunition are used:

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Regular ammunition	Model 23/7.92 mm
AP ammunition	Model 31/7.92 mm
Tracers	Model 49/7.92 mm
Incendiary ammunition	Model 49/7.92 mm

    25X1

3. The following is a table of piercing effect of the regular and AP rounds:

	Distance of the Target			
	100 meters		300 meters	
	Depth of penetration in cm			
Object	Model 23	Model 31	Model 23	Model 31
Soft wood	135	55	97	44
Hard wood	62	60	45	33
Dry sand	40	43	20	20
Wet sand	35	30	20	20
Arable land	40	48	20	29
Loam	35	50	26	35
Sand and slag	20	26	15	15
Brick wall	16	19	12	18
Solid concrete	0.5	1.5	0.3	1
Hard sheet iron	0.6	0.21	0.43	0.96

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